A UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

NBS Voluntary Product Standard

PS 48-71

Package Quantities of Cubed, Sized, Crushed, and Block Ice

A Voluntary Standard Developed by Producers, Distributors, and Users With the Cooperation of the National Bureau of Standards

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards

UNITED STATES DEPARTMENT OF COMMERCE

Maurice H. Stans, *Secretary*

NATIONAL BUREAU OF STANDARDS

Lewis M. Branscomb, *Director*

Voluntary Product Standard

PS 48-71

Package Quantities of Cubed, Sized, Crushed, and Block Ice

Technical Standards Coordinator: Charles B. Phucas

Abstract

This Voluntary Product Standard covers the net weights of the package quantities recommended for cubed, sized, crushed, and block ice. Definitions of terms and methods for identifying products packaged in accordance with this Standard are included.

Key words: Block ice, package quantities of; crushed ice, package quantities of; cubed ice, package quantities of; ice, package quantities of; package quantities of ice; sized ice, package quantities of.

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Contents

VOLUNTARY PRODUCT STANDARDS

Voluntary Product Standards are standards developed under procedures established by the Department of Commerce (15 CFR Part 10, as amended, May 28, 1970). The standards may include (1) dimensional requirements for standard sizes and types of various products, (2) technical requirements, and (3) methods of testing, grading, and marking. The objective of a *Voluntary Product Standard* is to establish requirements which are in accordance with the principal demands of the industry and, at the same time, are not contrary to the public interest.

Development of a VOLUNTARY PRODUCT STANDARD

The Office of Engineering Standards Services of the National Bureau of Standards has been assigned by the Department of Commerce the responsibility to work closely with scientific and trade associations and organizations, business firms, testing laboratories, and other appropriate groups to develop *Voluntary Product Standards.* The Bureau has the following role in the development process: It (1) provides editorial assistance in the preparation of the standard; (2) supplies such assistance and review as is required to assure the technical soundness of the standard; (3) acts as an unbiased coordinator in the development of the standard; (4) sees that the standard is representative of the views of producers, distributors, and users or consumers; (5) seeks satisfactory adjustment of valid points of disagreement; (6) determines the compliance with the criteria established in the Department's procedures cited above; and (7) publishes the standard.

Industry customarily (1) initiates and participates in the development of a standard; (2) provides technical counsel on a standard; and (3) promotes the use of, and support for, the standard. (A group interested in developing a *Voluntary Product Standard* may submit a written request to the Office of Engineering Standards Services, National Bureau of Standards, Washington, D.C. 20234.)

A draft of a proposed standard is developed in consultation with interested trade groups. Subsequently, a Standard Review Committee is established to review the proposed standard. The committee, appropriately balanced, includes qualified representatives of producers, distributors, and users or consumers of the product being standardized. When the committee approves a proposal, copies are distributed for industry consideration and acceptance. When the acceptances show general industry agreement, and when there is no substantive objection deemed valid by the Bureau, the Bureau announces approval of the *Voluntary Product Standard* and proceeds with its publication.

Use of a VOLUNTARY PRODUCT STANDARD

The adoption and use of a *Voluntary Product Standard* is completely voluntary. *Voluntary Product Standards* have been used most effectively in conjunction with legal documents such as sales contracts, purchase orders, and building codes. When a standard is made part of such a document, compliance with the standard is enforceable by the purchaser or the seller along with other provisions of the document.

Voluntary Product Standards are useful and helpful to purchasers, manufacturers, and distributors. Purchasers may order products that comply with *Voluntary Product Standards* and determine for themselves that their requirements are met. Manufacturers and distributors may refer to the standards in sales catalogs, advertising, invoices, and labels on their product. Commercial inspection and testing programs may also be employed, together with grade labels and certificates assuring compliance, to promote even greater public confidence. Such assurance of compliance promotes better understanding between purchasers and sellers.

Package Quantities of Cubed, Sized, Crushed, and Block Ice

Effective July 15, 1971 (See section 6.)

(This Standard, initiated by the National Ice Association, has been developed under the *Procedures for the Development of Voluntary Product Standards*, published by the U.S. Department of Commerce. See Section 7, *History of Project*, for further information.)

1. PURPOSE

The purpose of this Voluntary Product Standard is to establish a voluntary industry standard of practice for the packaging of cubed, sized, crushed, and block ice intended for sale at retail.

2. SCOPE

This Voluntary Product Standard covers the net weights of the package quantities recommended for cubed, sized, crushed, and block ice. Definitions of terms and methods for identifying products packaged in accordance with this Standard are included.

3. REQUIREMENTS

3.1. **General**—Only those packages of cubed, sized, crushed, and block ice that are packaged in accordance with all of the requirements specified herein shall be deemed to comply with this Voluntary Product Standard.

3.2. **Labeled weights**—Cubed, sized, crushed, and block ice intended for retail sale shall be packaged in accordance with the weights specified as follows:

Cubed, sized, and crushed ice	Block ice
(pounds)	*(pounds)*
3	10
5	25
8	
10	
12½	
20	
25	
35	
40	
50	

3.2.1. **Variance**—The average of the quantities in any lot, shipment, or delivery must at least equal the labeled weight. The variance of an individual package from the labeled weight shall not exceed the following:

	Variance (percent)
Cubed, sized, and crushed ice	+10—5
Block ice	+20—5

4. DEFINITIONS

For the purpose of this Standard, the following definitions shall apply:

Block ice—A single piece of ice.

Crushed ice—That product which is obtained from crushing block ice or is machine-made without regard to uniformity of size.

Cubed ice—That product which is processed from block ice or is machine-made in consistent sizes and shapes.

Sized ice—That product which is obtained by the screening of ice into uniform sizes.

5. IDENTIFICATION

In order that purchasers may identify products conforming to all requirements of this Voluntary Product Standard, packagers and distributors may include a statement of compliance in conjunction with their name and address on product labels, invoices, sales literature, and the like. The following statement is suggested when sufficient space is available.

> This ice is packaged in accordance with Voluntary Product Standard PS 48–71, a package quantity standard, developed cooperatively with the industry and published by the National Bureau of Standards under the *Procedures for the Development of Voluntary Product Standards* of the U.S. Department of Commerce. Full responsibility for the conformance of this product to the standard is assumed by (name and address of packager or distributor).

The following abbreviated statement is suggested when available space on labels is insufficient for the full statement:

> Conforms to PS 48–71, a package quantity standard, (name and address of packager or distributor).

6. EFFECTIVE DATE

The effective date of this Voluntary Product Standard is the date upon which reference to the Standard may be made by packagers, distributors, users and consumers, and other interested parties. Compliance by packagers with all of the requirements of this Voluntary Product Standard may not actually occur until

some time after its effective date. Packages shall not be represented as conforming to this Voluntary Product Standard until such time as all requirements established in the Standard are met. The effective date of this Standard is July 15, 1971.

7. HISTORY OF PROJECT

On May 2, 1969, the National Ice Association submitted to the National Bureau of Standards a proposal for a standard for the package quantities of cubed, sized, crushed, and block ice with the request that it be developed under the *Procedures for the Development of Voluntary Product Standards.* A standard for this product was needed to reduce the number of package quantities of ice found in the marketplace.

The Standard was approved by a Standard Review Committee composed of packagers, distributors, and consumers of the product. Based on the recommendation of the Standard Review Committee, the Standard was then circulated to all known packagers, and to a representative list of distributors and consumers of the product to determine its acceptability. The response to this circulation indicated a consensus of acceptability as defined in the *Procedures for the Development of Voluntary Product Standards.*

On July 6, 1971, the Standard, designated PS 48–71, *Package Quantities of Cubed, Sized, Crushed, and Block Ice,* was approved for publication by the National Bureau of Standards to be effective July 15, 1971.

Technical Standards Coordinator:

Charles B. Phucas, Office of Engineering Standards Services, National Bureau of Standards, Washington, D.C. 20234

8. STANDING COMMITTEE

The individuals whose names are listed below constitute the membership of the Standing Committee for this Standard. The function of the committee is to review all proposed revisions and amendments in order to keep this Standard up to date. Comments concerning this Standard and suggestions for its revision may be addressed to any member of the committee or to the Office of Engineering Standards Services, National Bunreau of Standards, Washington, D.C. 20234, which acts as secretary for the committee.

Representing Packagers

James D. Atkinson (Chairman), President, Atkinson Ice Company, 537 South Main Street, Sullivan, Indiana 47882

Henry W. Lang, Jr., Acme Ice Company, 3604 West 59th Street, Chicago, Illinois 60629

Robert Mcleod, Vice President, The Jackson-Atlantic Company, P. O. Box 7701, Station "C", Atlanta, Georgia 30309

Paul Reed, General Manager, Ice Division, The Southland Corporation, Reddy Ice Division, 2828 North Haskell Avenue, Dallas, Texas 75221

Representing Distributors

Edwin Goheen, Vice President, Peoples Ice & Fuel Service, Inc., 1003 Main Street, Vallejo, California 94590

Thomas J. Jennings, President, Bryn Mawr Ice & Fuel Company, Inc., 5 North Franklin Avenue, Rosemont, Pennsylvania 19010

Laurence Palmisano, South Jersey Ice and Cold Storage Company, Old Turnpike and Pennsylvania Avenue, Pleasantville, New Jersey 08232

C. Joseph Rossi, Jr., The Ice House, 27 Lawrence Street, Brockton, Massachusetts 02401

Representing Consumers

Patricia Knapp, Home Management Specialist, New Mexico State University, University Park, New Mexico 88070

Mrs. George Meese, 194 Acton Road, Annapolis, Maryland 21403

Marilyn Story, Head, Department of Home Economics, University of Northern Iowa, 216 Wright Hall, Cedar Falls, Iowa 50613

Mrs. Frederick J. Wood, 29 Calvin Road, Newtonville, Massachusetts 02160

Representing General Interest

Irene I. Boone, Acting Director, Bureau of Standard Weights and Measures, Room B 130, Highway and Safety Building, Harrisburg, Pennsylvania 17120

9. ACCEPTORS

The packagers, distributors, users, and others listed below have individually indicated in writing their acceptance of this Voluntary Product Standard prior to its publication. The acceptors have indicated their intention to use this Standard as far as practicable but reserve the right to depart from it when necessary. The list is published to show the extent of recorded public support for this Standard.

ASSOCIATIONS

National Ice Association, Washington, D.C.

PACKAGERS

Amarillo Ice & Cold Storage Company, Amarillo, Texas

American Ice & Cold Storage Company, Inc., Everett, Washington

American Ice Company Division, Baltimore, Maryland

Annapolis Ice Company, Inc., Annapolis, Maryland

Athens Ice Company, Athens, Tennessee

Atkinson Ice Company, Inc., Sullivan, Indiana

Atlantic Company, Valdosta, Georgia

Bacu Cold Storage, Inc., Poughkeepsie, New York

Bay Ice Company, Gulfport, Mississippi

Beaufort Ice & Coal Company, Beaufort, North Carolina

Bentonville Ice & Cold Storage Company, Bentonville, Arkansas

Birmingham Ice & Cold Storage Company, Birmingham, Alabama

Bishopville Ice and Coal Company, Bishopville, South Carolina

Blue Star Ice Company, Oklahoma City, Oklahoma
Bonanza Ice Company, South Lake Tahoe, California
Boonville Cold Storage Corporation, Boonville, Indiana
Borin Brothers, Inc., Detroit, Michigan
Brazil Ice and Storage Company, Rockville, Indiana
Brick Milling Company, Bordentown, New Jersey
Bryson City Ice Company, Bryson City, North Carolina
Bucyrus Ice Company, Bucyrus, Ohio
Buford Ice Company, Buford, Georgia
Caldwell Ice & Cold Storage, Caldwell, Idaho
Cen-Tex Ice Company, Inc., Whitney, Texas
Central Ice & Coal Company, Inc., High Point, North Carolina
Citizens Utilities Company, Nogales, Arizona
City Ice Company, Denver, Colorado
City Ice Company, Gainesville, Georgia
City Ice Company, Petersburg, Virginia
City Ice Company, Inc., Junction City, Kansas
City Ice Delivery Company, Tulsa, Oklahoma
City Ice Service, Las Cruces, New Mexico
City Ice Service, Inc., Shreveport, Louisiana
City Products Corporation, Chicago, Illinois
Claxton Ice Company, Claxton, Georgia
Clayville Ice Company, Inc., Clinton, New York
Colescott's Grand Junction, Colorado
Colonial Ice Company, Greensboro, North Carolina
Concordia Ice Company, Inc., Ferriday, Louisiana
Consumers Ice & Fuel Company, El Paso, Texas
Consumers Ice Manufacturing Company, Inc., Wilkes-Barre, Pennsylvania
Consumers Packing Company, Lancaster, Pennsylvania
Council Manufacturing Corporation, Fort Smith, Arkansas
Cowan Ice and Storage, Washington, Pennsylvania
Crystal Ice & Fuel of Elkhart, Inc., Elkhart, Indiana
Crystal Ice Company, Durant, Oklahoma
Crystal Ice Company The, Norwalk, Connecticut
Cumberland Ice and Cold Storage, Cumberland, Maryland
Diamond Ice Service, Inc., Slidell, Louisiana
Earles Ice Plant, Bogalusa, Louisiana
Empire Cold Storage Company, Spokane, Washington
Endress, William F., Inc., Jamestown, New York
Farmers Ice & Fuel Company, Newberry, South Carolina
Farr, Asael, & Sons, Company, Ogden, Utah
Fayetteville Ice & Fuel Company, Fayetteville, North Carolina
Gallatin Ice Plant, Gallatin, Tennessee
Gallipolis Ice Company, Gallipolis, Ohio
Getchell Brothers, Inc., Brewer, Maine
Glassboro Cold Storage Corporation, Glassboro, New Jersey
Glouster Ice & Ice Cream Company, Glouster, Ohio
Haddon Ice & Coal Company, Haddonfield, New Jersey
Heath Ice & Coal Company, Inc., Macon, Georgia
Higginsville Ice Company, Inc., Higginsville, Missouri
Hollyford Ice & Cold Storage Company, Mt. Holly, New Jersey
Home Ice Company, Monroe, Louisiana
Hygeia Ice Company, Salt Lake, Utah
Independent Ice & Refrigerator Company, Bartlesville, Oklahoma
Independent Ice Company, Abilene, Texas
Jack McIntyre's Ice Plant, Jackson, Mississippi
Jackson-Atlantic, Inc., Albany, Georgia
Jackson-Atlantic, Inc., T/A Atlantic Company, Knoxville, Tennessee
Kannapolis Ice & Fuel Company, Kannapolis, North Carolina
Lewistown Ice & Storage Company, Lewistown, Pennsylvania
Liberty Ice & Fuel Company, Springfield, Massachusetts
Long Island Ice & Fuel Corporation, Riverhead, New York
Manassas Ice & Fuel Company, Inc., Manassas, Virginia
Mattox Ice Service & Storage Company, Brazil, Indiana
Mertz, W. E., and Sons, Northumberland, Pennsylvania
Meyer & Son's, Inc., Mankato, Minnesota
Miller Ice Company, Dodge City, Kansas
Miller-Rasmussen Ice Company, Inc., Green Bay, Wisconsin
Monroeville Ice Company, Monroeville, Alabama
Mulgrew Oil Company, Dubuque, Iowa
Murray City Coal and Ice Company, Columbus, Ohio
Nathan Segall Company, Montgomery, Alabama
National Ice & Coal Company, Inc., Indianapolis, Indiana
Nebraska Ice & Locker Service, Falls City, Nebraska
New Ice & Coal Company, Lewisburg, Tennessee
New West Florida Ice Company, Inc., Sarasota, Flordia
Newport News Distilled Ice Company, Hampton, Virginia
Nolts Ice Service, Boyertown, Pennsylvania
North Pole Ice & Storage Company, Fairmont, West Virginia
North Pole Ice Company, Clarksburg, West Virginia
Ocean City Ice Company, Ocean City, Maryland
Ohio Ice Company, Zanesville, Ohio
Palestine Ice Company, Palestine, Texas
Pasadena Ice Company, Inc., Pasadena, Texas
Pascagoula Ice & Freezer Company, Pascagoula, Mississippi
Pelican Ice & Cold Storage, Inc., New Orleans, Louisiana
Peoples Crystal Ice Company, Pensacola, Florida
Pine River Locker Company, Pine River, Minnesota
Polar Ice Company, Columbia, Mississippi
Port Arthur Consumers Ice Company, Port Arthur, Texas
Portland Sebago Oil & Ice Company, Portland, Maine.
Public Ice Service Company, Anna, Illinois
Pure Ice Company, Cape Girardeau, Missouri
Ready's Ice Company, Canon City, Colorado
Rhode Island Ice Company, Inc., East Providence, Rhode Island
Richmond Cold Storage Company, Inc., Richmond, Virginia
Riverside Ice Company, Ft. Worth, Texas
Ronceverte Ice & Produce Company, Ronceverte, West Virginia
Santa Fe Ice Company, Santa Fe, New Mexico
Saratoga Ice Company, Inc., Saratoga Springs, New York
Scottsbluff Ice & Storage Company, Gering, Nebraska
Seaboard Service, Asbury Park, New Jersey
Service Ice Company, Lake Charles, Louisiana
Shallotte Ice & Fuel Company, Shallotte, North Carolina
Sifco Industries, Sumter, South Carolina
Silsbee Ice Company, Silsbee, Texas
South Georgia Ice Company, Tifton, Georgia
Southeastern Public Service, Kansas City, Kansas
Southeastern Public Service Company, Harlingen, Texas
Southern Ice & Cold Storage Company, McAlester, Oklahoma

Southern New England Ice & Oil, Hartford, Connecticut
Spencer Ice & Fuel Company, Spencer, Iowa
Spring Brook Ice & Fuel Service, New Britain, Connecticut
Springdale Ice Company, Inc., Mamaroneck, New York
Standard Ice Company, Little Rock, Arkansas
Superior Ice Company, Corsicana, Texas
Tacoma Ice & Cold Storage Company, Tacoma, Washington
Tar River Ice & Fuel Company, Rocky Mount, North Carolina
Tate Oil Products, Ville Platte, Louisiana
Texas Ice & Fuel Company, Houston, Texas
Travelers Rest Ice & Coal Company, Travelers Rest, South Carolina
Tucumcori Ice Company, Tucumcori, New Mexico
Tudor Ice & Cold Storage, Danville, Virginia
Twin Falls Feed & Ice, Inc., Twin Falls, Idaho
Walker Brothers, Ice & Coal, Johnson City, Tennessee
Western Illinois Ice Company, Galesburg, Illinois
Westside Ice & Fuel Company, Columbia, South Carolina
Winchester Cold Storage Company, Inc., Winchester, Virginia
Winkler-Lucas Ice & Fuel Company, Saginaw, Michigan
Woodfield Fish & Oyster Company, Galesville, Maryland
York Ice & Milk Company, York, Pennsylvania
Young Coal Company, Waterloo, Iowa

DISTRIBUTORS

Arctic Ice Company, Ensley, Alabama
Artificial Ice Company, South Bend, Indiana
Ballard Sales Company, Fort Worth, Texas
Bell Ice Company, Bellingham, Washington
Biloxi Freezing Company, Biloxi, Mississippi
Booneville Ice and Equipment Company, Booneville, Arkansas
Citizens Ice Company, The, Canton, Ohio
City Ice & Cold Storage Company, Jefferson City, Missouri
City Ice & Fuel Company, Southern Pines, North Carolina
Coen's Ice Plant, Riverton, Wyoming
Consumers Ice & Fuel Company, New Castle, Indiana
El Dorado Ice Vendors, El Dorado Springs, Missouri
Espy Ice Company, Denver, Colorado
Fresno Madera Ice Company, Fresno, California
Gem City Beverage Company, Inc., Frankfort, Indiana
Gladwin & Lane, Inc., Westfield, Masachusetts
Holiday Ice Vendors, San Diego, California
Home Ice Company, Yazoo City, Mississippi
Ice Delivery, Inc., Roanoke, Virginia
Ice House, Inc., Brockton, Massachusetts
Klinke Ice Company, Inc., Alton, Illinois
Lansing Ice & Fuel Company, Lansing, Michigan
Lawrence Ice Company, Lawrence, Kansas
Leominster Ice Company, Leominster, Massachusetts
Loby Concrete Products Company, Inc., La Follette, Tennessee
Lowe's Ice Service, Lima, Ohio
Madison County Cold Storage Company, Inc., Canastota, New York
Maxey, Robert F., Distributor of Union Ice Company Products, Santa Monica, California
Milford Ice & Coal Company, Milford, Delaware
Money, F. A., Enterprises, Inc., Susanville, California
Parsons Ice Company, The, Parsons, Kansas
Party Pak, Inc , Wichita, Kansas
People's Fuel & Trucking, Inc., Gardner, Massachusetts
Peoples Ice & Fuel Service, Inc., Vallejo, California
Permian Ice Company of Odessa, Odessa, Texas
Phillips Ice Service, Inc., Bowling Green, Kentucky
Provencher Ice Service, Skowhegan, Maine
Reddy Ice, Southland Corporation, The, Dallas, Texas
S & E Truck Center, Inc., White Marsh, Maryland
Sunset Ice & Cold Storage, Inc., Coachella, California
Sunshine Farms, Merced, California
Taft Ice Delivery, Taft, Californa
Union Ice Company Products, Oceanside, California
United States Cold Storage of California, Sacramento, California
Wudcoski, Frank, Alpena, Michigan

CONSUMERS

Allen, Elaine, Greensboro, North Carolina
Anderson, Marilyn, Plattsburgh, New York
Armstrong, Jan, Lafayette, Indiana
Armstrong, Mary, Union, New Jersey
Arnold, Icesy, Rock Hill, South Carolina
Barnes, Julia, State College, Mississippi
Barney, Helen, Rockville, Maryland
Bishop, Myra, Knoxville, Tennessee
Brady, Mildred, Chesapeake, Virginia
Burke, Rosalind, Auburn, New York
Burton, John, Willimantic, Connecticut
Chandler, Edward, Mrs., Martinsville, New Jersey
Cissell, Robert, Mrs., Cincinnati, Ohio
Dorsey, Martha, Flemingsburg, Kentucky
Downer, Donna, Martin, Tennessee
Emanual, Frank, Highgate Springs, Vermont
Faulkinberry, Mary, Hattiesburg, Mississippi
Fine, Sam, Annandale, Virginia
Fowler, Evelyn, West Lafayette, Indiana
Fuller, Amelia, Richmond, Virginia
Gibbs, Janett, Jefferson City, Tennessee
Grabinski, Joanne, Kalamazoo, Michigan
Grady, Ethyl, Kingston, Rhode Island
Hallaway, Joann, Kent, Ohio
Hunt, Myrtle, St. Petersburg, Florida
Johnson, Lydia, Frankfort, Kentucky
Johnson, Robert, Lafayette, Indiana
Keefe, Dennis, Athens, Georgia
Kleva, Frank, South Bend, Indiana
Klusman, Sharon, Lafayette, Indiana
LaBelle, Oliver, Waterbury, Connecticut
LaChapelle, Bette, Detroit, Michigan
Lapidese, Martin, New Hyde Park, New York
Macauley, Rubye, Athens, Ohio
Marlowe, Alice Georgetown, South Carolina
Marty, Mamie, Rochester, New Hampshire
Maynard, Ruth, Milledgeville, Georgia
McDonald, Rebecca, Newark, Ohio
Nantz, Evelyn, College Park, Maryland
Pfafflin, James, Mrs., Coram, New York
Polesky, John, Indiana, Pennsylvania
Porcher, Katrina, Greensboro, North Carolina
Rikkola, Roger, Hamilton, New York
Rozier, Justine, Raleigh, North Carolina
Rupert, Lois, Harrisburg, Pennsylvania
Rush, Anna, Clifton, New Jersey

Tengel, Patricia, Pittsburgh, Pennsylvania
Trieshmann, Helmuth, South Plainfield, New Jersey
Varden, Martha, Hoboken, New Jersey
Wells, K. D., Buford, Georgia
Whitten, Bonnie, New York, New York
Wilgus, Virginia, Hattiesburg, Mississippi
Wilson, Helen, Warren, Michigan

GENERAL INTEREST

American Home Economics Association, Forestville, Missouri
Collazzo, Charles, Lexington, Massachusetts
Continental Can Company, Inc., New York, New York
Cooperative Extension Service, Wauseon, Ohio
Crown Zellerbach Corporation, San Francisco, California
Crystal Ice Company, Lufkin, Texas
Fine's, Modesto, California
Frederick County Products, Inc., Frederick, Maryland
Massey Ice & Coal, West Point, Virginia
Orange County Extension Home Economics Office, Orlando, Florida
Purdue University, West Lafayette, Indiana
Sears, Roebuck and Company, Chicago, Illinois
Sewell Ice & Coal Company, Hawkinsville, Georgia
U.S. Testing Company, Inc., Hoboken, New Jersey
University of Tennessee Agricultural Extension Service, Knoxville, Tennessee
University of Vermont, Burlington, Vermont
Warrior Ice Manufacturing Company, Warrior,, Alabama
Winans, C. G., Cedar Knolls, New Jersey

FEDERAL, STATE, AND LOCAL GOVERNMENTS

Agricultural, U.S. Department of, Washington, D.C.
District of Columbia, Bureau of Procurement, Washington, D.C.
General Services Administration, Standardization Division, Washington, D.C.
Maryland, States of, Attorney General, Baltimore, Maryland
New York, County of Nasau, Office of Consumer Affairs, Weights & Measures Division, Mineola, New York
Pennsylvania, Commonwealth of, Department of Property & Supplies, Bureau of Standards, Harrisburg, Pennsylvania

TO THE ACCEPTOR

The following statements answer the usual questions arising in connection with the acceptance of a Voluntary Product Standard and its significance:

1. *Enforcement*—Voluntary Product Standards contain requirements which are established by mutual consent of those concerned in accordance with the *Procedures for the Development of Voluntary Product Standards* published by the Department of Commerce (15 CFR Part 10, as amended, May 28, 1970). The standards provide a common basis of understanding among producers, distributors, and users or consumers. The National Bureau of Standards has *no* regulatory power in the enforcement of the provisions of voluntary standards, but since these standards represent the will of the interested groups as a whole, their provisions soon become established as trade customs and become effective when the standards are referenced in sales contracts, procurement specifications, government regulations, and the like.

2. *The Responsibility of the Acceptor*—The purpose of Voluntary Product Standards is to establish, for specific items, nationally recognized sizes, grades, material requirements, or performance criteria. The benefits that result from these standards will be in direct proportion to general recognition and actual use of the standards. Instances will occur when it may be necessary to deviate from a standard. The signing of an acceptance does not preclude such departures. The acceptor's signature, however, indicates an intention to follow the standard, where practicable, in the production, distribution, or use and consumption of the product in question.

(Cut on this line)

ACCEPTANCE OF VOLUNTARY PRODUCT STANDARD

PS 48–71, Package Quantities of Cubed, Sized, Crushed, and Block Ice

This form properly completed, signed, and returned will show your acceptance of this *Voluntary Product Standard.*

Date_____

Office of Engineering Standards Services
National Bureau of Standards
U.S. Department of Commerce
Washington, D.C. 20234

Gentlemen:

We are primarily engaged in the following segment of the industry:

(Please check only one.)

☐ Production
☐ Distribution
☐ Use/consumption
☐ General Interest

We believe that this *Voluntary Product Standard* constitutes a useful standard of practice, and we plan to use it as far as practicable. *However,* we reserve the right to depart from the standard as we deem advisable.

We understand, of course, that only those products which actually conform to the standard in all respects may be represented as conforming thereto.

Signature of authorized officer _____

(Please type or print the following.)

Name and title of above officer _____

Organization _____
(Fill in exactly as it should be listed.)

Street Address _____

City, State, and ZIP Code _____

(*Note:* Separate acceptances should be filed for each subsidiary company and affiliate which is to be listed as an acceptor.)

NATIONAL BUREAU OF STANDARDS

The National Bureau of Standards[1] was established by an act of Congress March 3, 1901. The Bureau's overall goal is to strengthen and advance the Nation's science and technology and facilitate their effective application for public benefit. To this end, the Bureau conducts research and provides: (1) a basis for the Nation's physical measurement system, (2) scientific and technological services for industry and government, (3) a technical basis for equity in trade, and (4) technical services to promote public safety. The Bureau consists of the Institute for Basic Standards, the Institute for Materials Research, the Institute for Applied Technology, the Center for Computer Sciences and Technology, and the Office for Information Programs.

THE INSTITUTE FOR BASIC STANDARDS provides the central basis within the United States of a complete and consistent system of physical measurement; coordinates that system with measurement systems of other nations; and furnishes essential services leading to accurate and uniform physical measurements throughout the Nation's scientific community, industry, and commerce. The Institute consists of a Center for Radiation Research, an Office of Measurement Services and the following divisions:

Applied Mathematics—Electricity—Heat—Mechanics—Optical Physics—Linac Radiation[2]—Nuclear Radiation[2]—Applied Radiation[2]—Quantum Electronics[3]—Electromagnetics[3]—Time and Frequency[3]—Laboratory Astrophysics[3]—Cryogenics[3].

THE INSTITUTE FOR MATERIALS RESEARCH conducts materials research leading to improved methods of measurement, standards, and data on the properties of well-characterized materials needed by industry, commerce, educational institutions, and Government; provides advisory and research services to other Government agencies; and develops, produces, and distributes standard reference materials. The Institute consists of the Office of Standard Reference Materials and the following divisions:

Analytical Chemistry—Polymers—Metallurgy—Inorganic Materials—Reactor Radiation—Physical Chemistry.

THE INSTITUTE FOR APPLIED TECHNOLOGY provides technical services to promote the use of available technology and to facilitate technological innovation in industry and Government; cooperates with public and private organizations leading to the development of technological standards (including mandatory safety standards), codes and methods of test; and provides technical advice and services to Government agencies upon request. The Institute also monitors NBS engineering standards activities and provides liaison between NBS and national and international engineering standards bodies. The Institute consists of the following technical divisions and offices:

Engineering Standards Services—Weights and Measures—Flammable Fabrics—Invention and Innovation—Vehicle Systems Research—Product Evaluation Technology—Building Research—Electronic Technology—Technical Analysis—Measurement Engineering.

THE CENTER FOR COMPUTER SCIENCES AND TECHNOLOGY conducts research and provides technical services designed to aid Government agencies in improving cost effectiveness in the conduct of their programs through the selection, acquisition, and effective utilization of automatic data processing equipment; and serves as the principal focus within the executive branch for the development of Federal standards for automatic data processing equipment, techniques, and computer languages. The Center consists of the following offices and divisions:

Information Processing Standards—Computer Information—Computer Services—Systems Development—Information Processing Technology.

THE OFFICE FOR INFORMATION PROGRAMS promotes optimum dissemination and accessibility of scientific information generated within NBS and other agencies of the Federal Government; promotes the development of the National Standard Reference Data System and a system of information analysis centers dealing with the broader aspects of the National Measurement System; provides appropriate services to ensure that the NBS staff has optimum accessibility to the scientific information of the world, and directs the public information activities of the Bureau. The Office consists of the following organizational units:

Office of Standard Reference Data—Office of Technical Information and Publications—Library—Office of Public Information—Office of International Relations.

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[1] Headquarters and Laboratories at Gaithersburg, Maryland, unless otherwise noted; mailing address Washington, D.C. 20234.
[2] Part of the Center for Radiation Research.
[3] Located at Boulder, Colorado 80302.

NBS TECHNICAL PUBLICATIONS

PERIODICALS

JOURNAL OF RESEARCH reports National Bureau of Standards research and development in physics, mathematics, chemistry, and engineering. Comprehensive scientific papers give complete details of the work, including laboratory data, experimental procedures, and theoretical and mathematical analyses. Illustrated with photographs, drawings, and charts.

Published in three sections, available separately:

• Physics and Chemistry

Papers of interest primarily to scientists working in these fields. This section covers a broad range of physical and chemical research, with major emphasis on standards of physical measurement, fundamental constants, and properties of matter. Issued six times a year. Annual subscription: Domestic, $9.50; $2.25 additional for foreign mailing.

• Mathematical Sciences

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